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Managing the development of oil reserves drained by horizontal wells

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Abstract

The author considers the need to monitor and regulate the development of the oil reserves of layers drained by horizontal wells. The article shows that the use of special technical means allows to adjust the flow of each trunk or its plot. The influence of bottomhole pressure on productive characteristics of horizontal well is discussed. Areas of the trunk and the bottomhole pressure are determined for maximum flow rate of horizontal wells. The author describes how to determine the optimal values of the depression for a reservoir.

Keywords

Active and passive modes, Annular packers, Control and management of the development of oil reserves, Horizontal «high-tech» wells, Remote control